

INTERNATIONAL SEARCH REPORT

Inte al Application No
PCT/JP2004/013264

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C09B47/00 C09B47/32 C12Q1/68 C12N15/09 G01N33/53
G01N33/533

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01N C09B C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	A. JUARRANZ ET. AL.: "Fluorescent porphyrin counterstaining of chromatin DNA in conjunction with immunofluorescence methods using FITC-labelled antibodies" JOURNAL OF MICROSCOPY, vol. 182, no. 1, 1 April 1996 (1996-04-01), pages 46-49, XP002326741 page 46, column 1, paragraph 1 page 47; figure 1 page 49, column 1, paragraph 2 ----- -/-	1-8

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *S* document member of the same patent family

Date of the actual completion of the international search

18 May 2005

Date of mailing of the international search report

08/06/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE MEDLINE 'Online! US NATIONAL LIBRARY OF MEDICINE (NLM), BETHESDA, MD, US; May 1994 (1994-05), NUSSBAUM J M ET AL: "Structure-specific binding and photosensitized cleavage of branched DNA three-way junction complexes by cationic porphyrins." XP002326742 Database accession no. NLM8041806 abstract & PHOTOCHEMISTRY AND PHOTOBIOLOGY. MAY 1994, vol. 59, no. 5, May 1994 (1994-05), pages 515-528, ISSN: 0031-8655</p>	1-3
X	<p>US 2001/014452 A1 (MAKINO YOSHIHIKO ET AL) 16 August 2001 (2001-08-16) page 2, column 2, paragraph 26 & JP 2001 289848 A 19 October 2001 (2001-10-19) cited in the application</p>	1
X	<p>WO 99/07793 A (NYCOMED AMERSHAM PLC; GRIFFITHS, JOHN; MAMA, JOHN; MILLAR, VALERIE; BR) 18 February 1999 (1999-02-18) page 12, line 3 - line 24 page 20 claims 1,13</p>	1-3
X	<p>S. HONG; S. HUH: "Spectroscopic Studies on Binding Interactions of Cationic Porphyrin Derivatives with Double Helical d(CGCGAATTCGCG)₂" BULLETIN OF THE KOREAN CHEMICAL SOCIETY, vol. 24, no. 1, 31 January 2003 (2003-01-31), pages 137-140, XP002326743 the whole document</p>	1-3
X	<p>WO 90/02747 A (ULTRA DIAGNOSTICS CORPORATION) 22 March 1990 (1990-03-22) page 11, line 36 - page 12, line 1 page 21, line 25 - line 28 example 5</p>	1-6,8
A	<p>US 5 880 287 A (DANDLIKER ET AL) 9 March 1999 (1999-03-09) claims; example 11 abstract</p>	1,4,8
A	<p>US 4 614 723 A (SCHMIDT ET AL) 30 September 1986 (1986-09-30) claims</p>	1,4

INTERNATIONAL SEARCH REPORT

information on patent family members

Intern

al Application No

PCT/JP2004/013264

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2001014452 A1	16-08-2001	JP 2001289848 A	19-10-2001
JP 2001289848 A	19-10-2001	US 2001014452 A1	16-08-2001
WO 9907793 A	18-02-1999	CA 2297215 A1	18-02-1999
		DE 69809248 D1	12-12-2002
		DE 69809248 T2	24-07-2003
		EP 1002020 A1	24-05-2000
		WO 9907793 A1	18-02-1999
		JP 2003525307 T	26-08-2003
		US 6458966 B1	01-10-2002
WO 9002747 A	22-03-1990	AU 642396 B2	21-10-1993
		AU 4216389 A	02-04-1990
		CA 1337754 C	19-12-1995
		EP 0434727 A1	03-07-1991
		JP 4500516 T	30-01-1992
		WO 9002747 A1	22-03-1990
		US 5494793 A	27-02-1996
		US 5135717 A	04-08-1992
		US 5346670 A	13-09-1994
US 5880287 A	09-03-1999	US 5677199 A	14-10-1997
		US 5641878 A	24-06-1997
		US 5403928 A	04-04-1995
		CA 2223418 A1	19-12-1996
		CN 1198816 A	11-11-1998
		JP 2001517296 T	02-10-2001
		WO 9641144 A2	19-12-1996
		US 5919922 A	06-07-1999
		US 6060598 A	09-05-2000
		US 5846703 A	08-12-1998
		US 5606045 A	25-02-1997
		US 5707813 A	13-01-1998
		AT 206124 T	15-10-2001
		CA 2082934 A1	16-11-1991
		DE 69132744 D1	31-10-2001
		DE 69132744 T2	10-10-2002
		EP 0528991 A1	03-03-1993
		ES 2164043 T3	16-02-2002
		JP 5507518 T	28-10-1993
		WO 9118007 A1	28-11-1991
		CA 2082936 A1	16-11-1991
US 4614723 A	30-09-1986	AU 560081 B2	26-03-1987
		AU 2831984 A	06-12-1984
		DE 3464252 D1	23-07-1987
		EP 0127797 A1	12-12-1984
		JP 60051191 A	22-03-1985